

DERWENT-ACC-NO: 1997-077200

DERWENT-WEEK: 199731

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TITLE: Device for welding and/or treating workpieces
using
outlet
flexible
laser light under water - comprising a laser
arrangement with a nozzle plate and peripheral
seal for exclusion of water

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PRIORITY-DATA: 1995DE-1019725 (May 30, 1995)

PATENT-FAMILY:

PUB-NO	MAIN-IPC	PUB-DATE	LANGUAGE
WO 9638258 A1	B23K 026/12	December 5, 1996	G
022			N/A
DE 19519725 C2	B23K 026/12	July 3, 1997	
005			
DE 19519725 A1	B23K 026/12	December 12, 1996	N/A
000			

DESIGNATED-STATES: AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

CITED-DOCUMENTS: 5.Jnl.Ref; DE 4212652 ; JP 4249799 ; JP 63242483 ;
JP 7001171
; JP 7132373 ; JP 8001326

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
WO 9638258A1	N/A	1996WO-DE00880
May 21, 1996		
DE 19519725C2	N/A	1995DE-1019725
May 30, 1995		
DE 19519725A1	N/A	1995DE-1019725
May '30, 1995		

ABSTRACTED-PUB-NO: WO 9638258A

BASIC-ABSTRACT:

Device for welding and/or treating workpieces by means of laser light under water, comprises a laser outlet arrangement (12) (laser head) to be positioned on the welding site in water, having a substantially disc-shaped nozzle plate (13) terminating the laser outlet and connected thereto, with a peripheral flexible seal (15) for pressing against a workpiece (16) and a number of apertures (17) for admitting gas (18) into a space (19) between the nozzle plate (13) and workpiece (16).

USE - For underwater laser beam welding and/or treatment.

ADVANTAGE - Makes possible laser beam welding or treatment under water by exclusion of water at the welding site.

CHOSEN-DRAWING: Dwg.1/3

TITLE-TERMS: DEVICE WELD TREAT WORKPIECE LASER LIGHT WATER COMPRISE LASER

OUTLET ARRANGE NOZZLE PLATE PERIPHERAL FLEXIBLE SEAL
EXCLUDE WATER

DERWENT-CLASS: M23 P55 X24

CPI-CODES: M23-D05;

EPI-CODES: X24-D03A;

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1997-024724

Non-CPI Secondary Accession Numbers: N1997-064154